**SI and CC notes 30 Jan 14**

On 30 January a small group met to develop concrete ideas for components of the program. Different people contributed to different parts of the day, including:

Iain Wright

Michael Blummel

Jean Hanson

An Notenbaert

Randall Ritzema

Peter Thorne

Peter Craufurd

Alan Duncan

Simon Langan

The discussion centred around developing a series of packages that are stand alone but contribute to the overall objectives.

1. **Feed supply/demand scenarios**

*Baseline*

Feed availability

Feed usage

Water requirements

Livestock population and production levels

Land requirements

*CC Scanarios*

Demand scenarios

Technological change, feed quality quantity

*Potential Futures (*uncertainty*)*

Key partnets - Crop Centres, ILRI, AgMIP, CSIRO, CSA, EIAR

2-3 page concept note to be developed led by Michael Blummel with An and EIAR

1. **Risk and resilience on hotspots? Long Term Plot trials**

Network of trials in sites with high uncertainty

Include Crops. Forages

Can historic remote sensing data be useful?

Key partners - Africa Network for Soil Biology and Fertility (Koala – An to follow up?)

2-3 page concept note to be developed led by Peter C with Michael P, Jean, Barbara, KPC Rao and EIAR

1. **Food Feed crops**

Selection and breeding for nutritive value

Markets

Michael to follow up with Barbara, Peter C. Concept note building on existing programmes

1. **Gene mining**

OK for crops. Could be part of food feed crops

EIAR was not keen on developing forage breeding program. How do we breed forages? Link to CIAT?.

Peter C, An and Jean to develop ideas, and see if gene mining of forages can be included in long term trials.

1. **Supporting intensification though NRM/ SLM**

Water

Water Productivity

Mitigation

CC

\*Institutional Issues\* are key

Simon and Alan to lead development on concept note on the intersection of NRM, sustainable intenstification and climate change.

1. **Do we need a package on farming systems for the future?**

There was a short discussion on whether there was a need for a package on farming systems for the future. The feeling was that this was needed but no conclusion on what this might look like. It probabaly needed a longer term focus than some of the on-going work.

The lead teams to produce a 2-3 page concept note on each package by 15 March.